

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

COMPLETE LISTING OF THE CLAIMS:

Claims 1-6 : (Canceled)

Claim 7 : (New) An arrangement for scanning indicia associated with objects passing in an advancement direction across a single horizontal window of a point-of-transaction workstation at which the indicia are to be electro-optically read, the arrangement comprising:

a) a rotary mirrored component rotatable about an axis, the rotary component having a plurality of planar tilted mirrors tilted at different angles of inclination relative to the axis;

b) a plurality of stationary, folding mirrors arranged generally about the axis;

c) a light source for generating a light beam;

d) an oscillator for oscillating the light beam, and for directing the oscillating light beam to the rotary component for reflection from the tilted mirrors to the stationary mirrors for reflection therefrom through the window to multiple surfaces of each object;

e) a drive for rotating the rotary component to sweep the oscillating light beam across the stationary mirrors and form a scan pattern of scan lines at and past the window and onto the multiple surfaces of each object; and

f) at least one of the stationary mirrors being located behind the rotary component, as considered downstream of the advancement direction, for reflecting at least one of the scan lines at a trailing surface of each object.

Claim 8 : (New) The arrangement of claim 7, wherein the axis of the rotary component is not perpendicular to the window.

Claim 9 : (New) The arrangement of claim 7, wherein the indicia are bar code symbols orientable on the objects between mutually orthogonal orientations, and wherein said at least one stationary mirror reflects said at least one scan line to sweep a symbol oriented in one of said orientations; and wherein at least another of the stationary mirrors is located behind the rotary component, as considered downstream of the advancement direction, for reflecting another of the scan lines at the trailing surface of each object to sweep a symbol oriented in the other of said orientations.

Claim 10 : (New) The arrangement of claim 7, wherein the oscillator includes an oscillating mirror, and an electromagnetic drive for oscillating the oscillating mirror.

Claim 11 : (New) The arrangement of claim 10, wherein the oscillator oscillates the oscillating mirror over an arcuate distance on the order of 1° and at a frequency on the order of 40 Hz.

Claim 12 : (New) A method of scanning indicia associated with objects passing in an advancement direction across a single horizontal window of a point-of-transaction workstation at which the indicia are to be electro-optically read, the method comprising the steps of:

a) mounting a rotary mirrored component for rotation about an axis, the rotary component having a plurality of planar tilted mirrors tilted at different angles of inclination relative to the axis;

b) arranging a plurality of stationary, folding mirrors generally about the axis;

c) generating a light beam;

d) oscillating the light beam and directing the oscillating light beam to the rotary component for reflection from the tilted mirrors to the stationary mirrors for reflection therefrom through the window to multiple surfaces of each object;

e) rotating the rotary component to sweep the oscillating light beam across the stationary mirrors and form a scan pattern of scan lines at and past the window and onto the multiple surfaces of each object; and

f) locating at least one of the stationary mirrors behind the rotary component, as considered downstream of the advancement direction, for reflecting at least one of the scan lines at a trailing surface of each object.